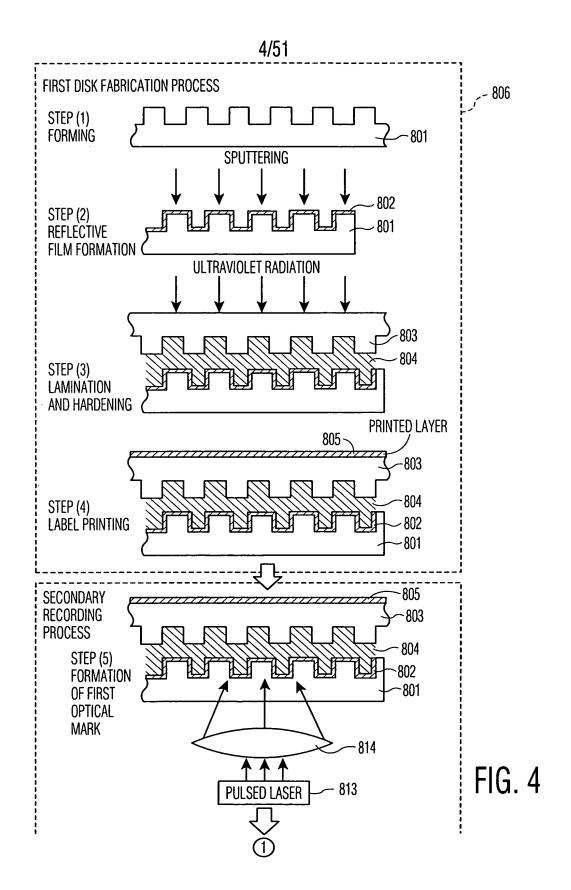


FIG. 3



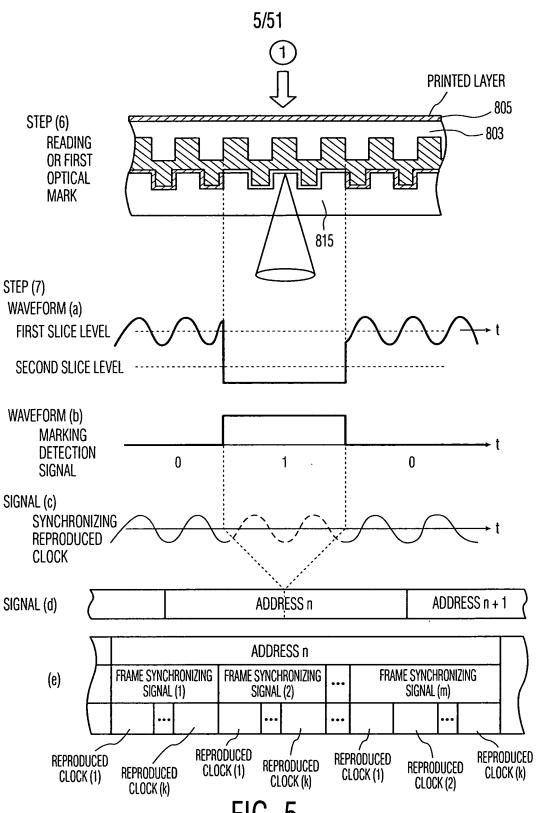
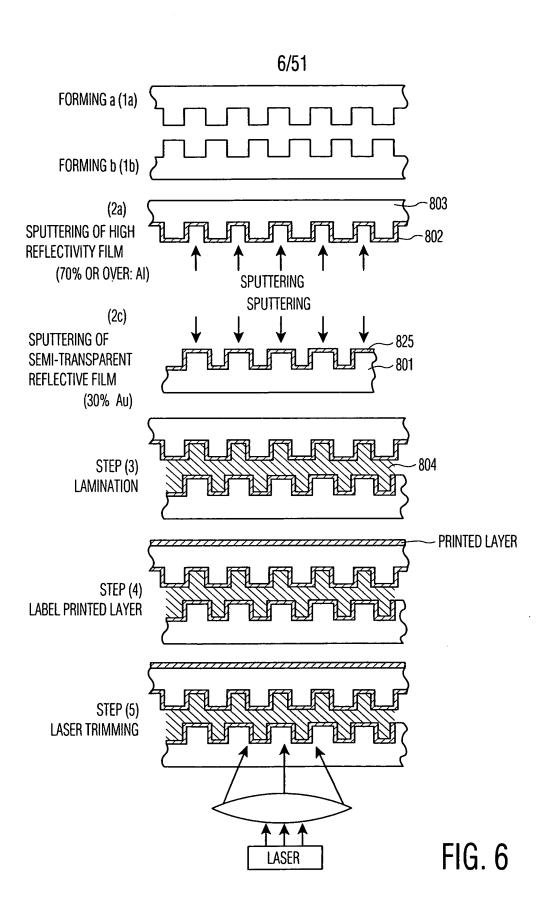
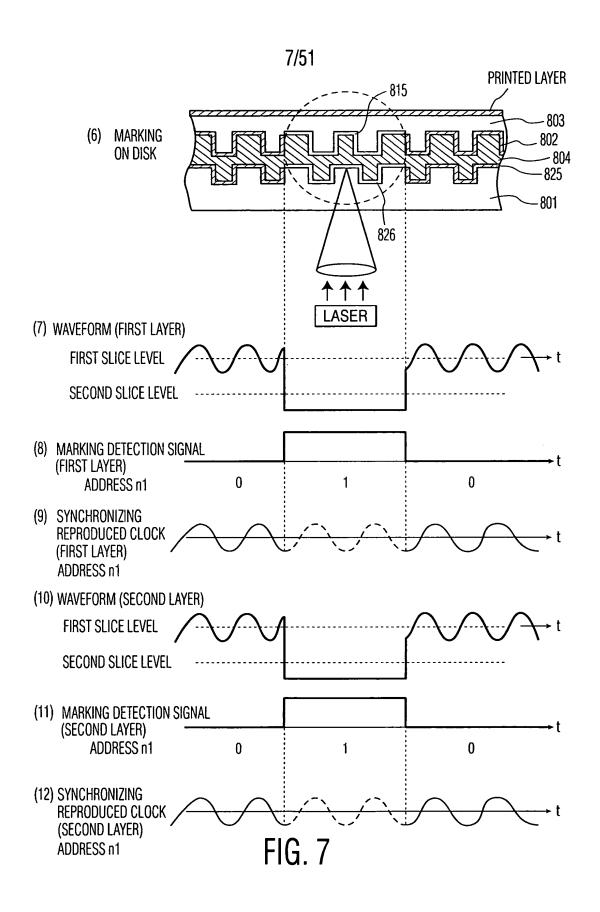
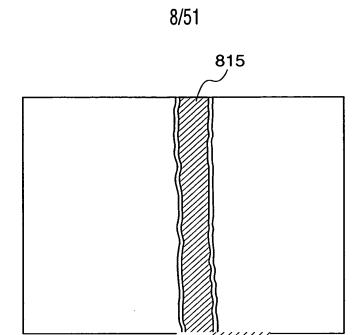
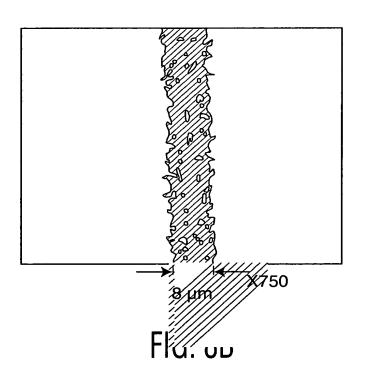


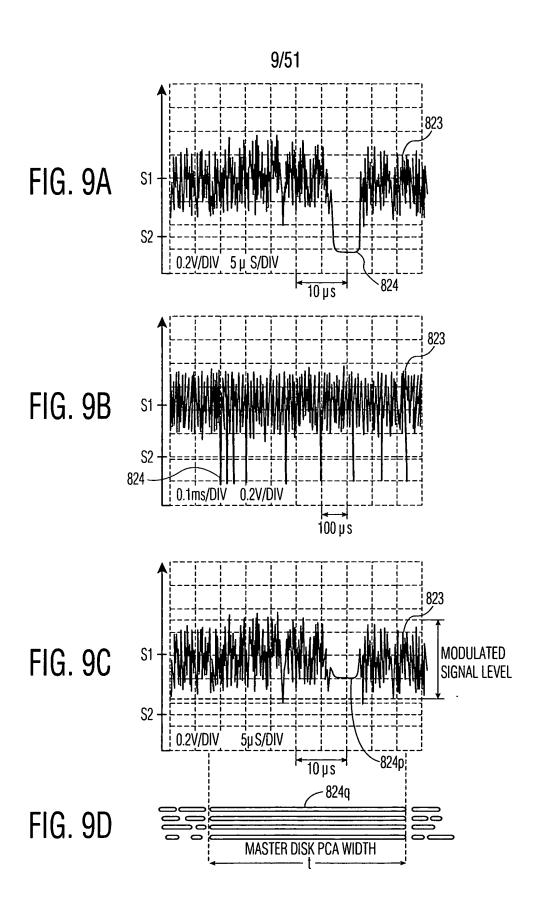
FIG. 5



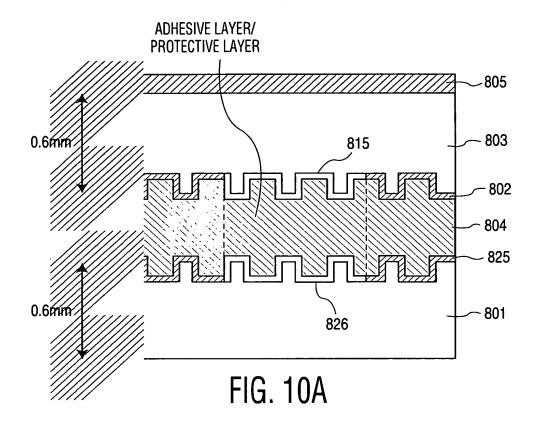


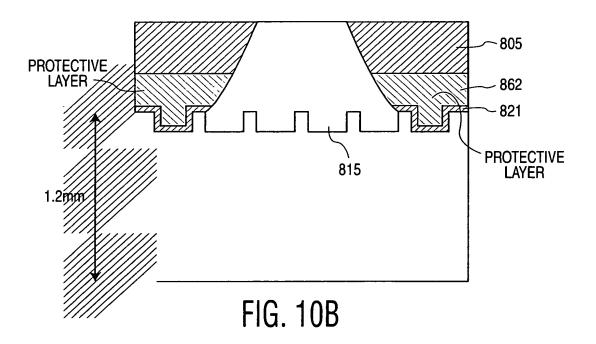




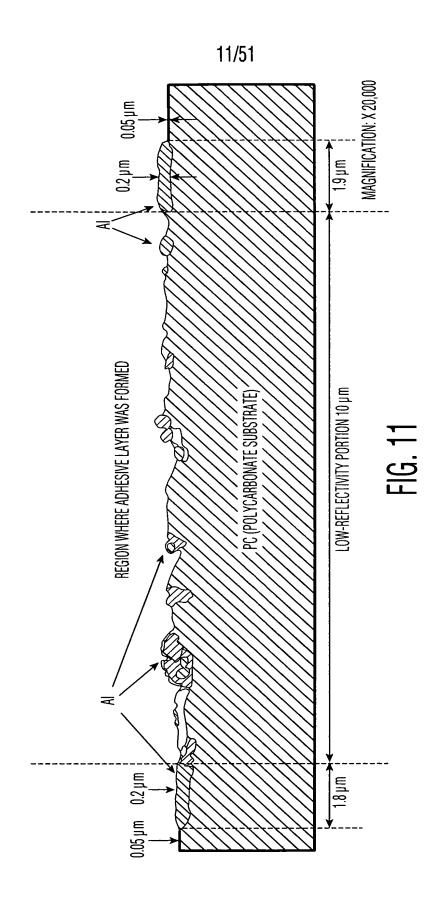


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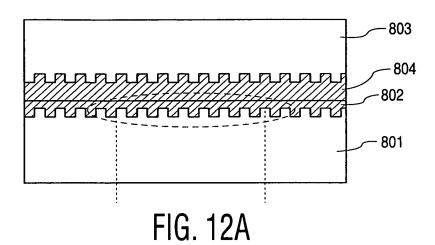
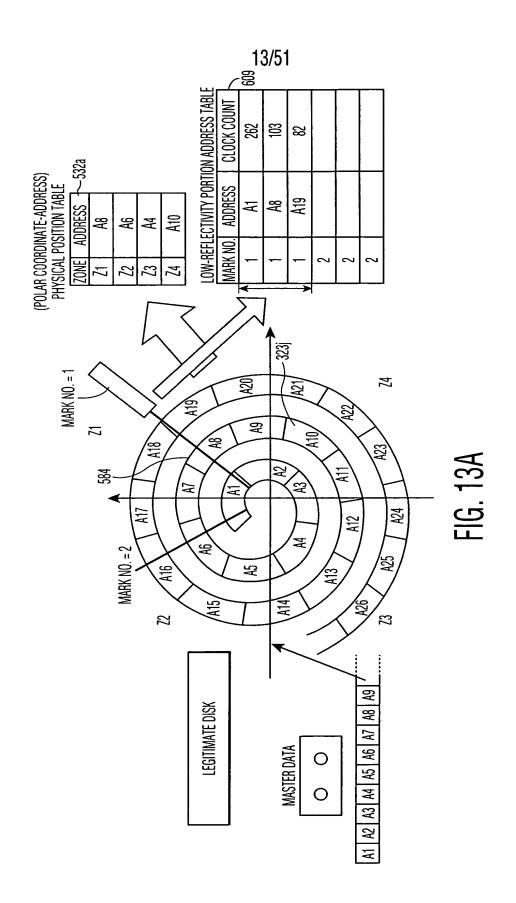
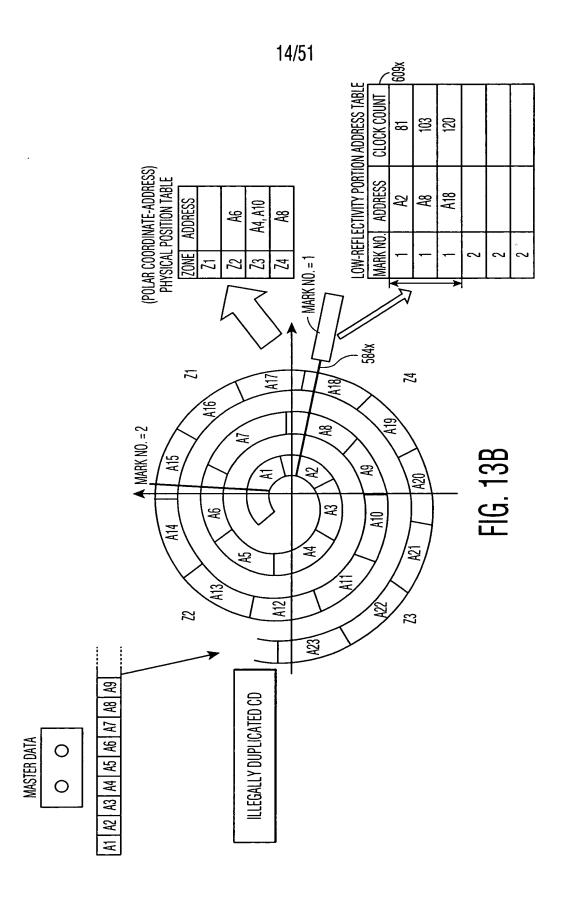


FIG. 12B





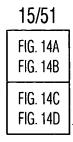
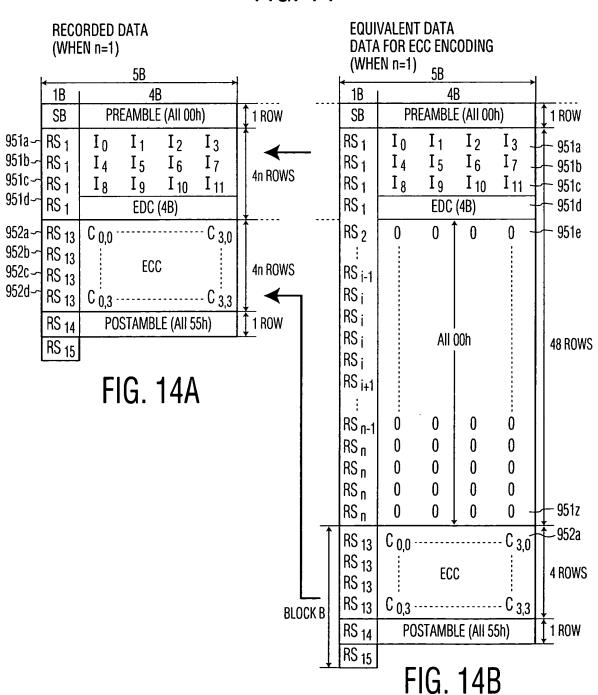


FIG. 14



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TYPICAL EQUATION FOR EDC COMPUTATION EDC (ERROR DETECTION CODE) :

EDC<sub>PCA</sub> (x)=
$$\int_{i=0}^{31} bi \cdot x^{i}$$
  
 $\int_{PCA} (x) = \int_{i=32}^{128n-31} bi \cdot x^{i}$ 

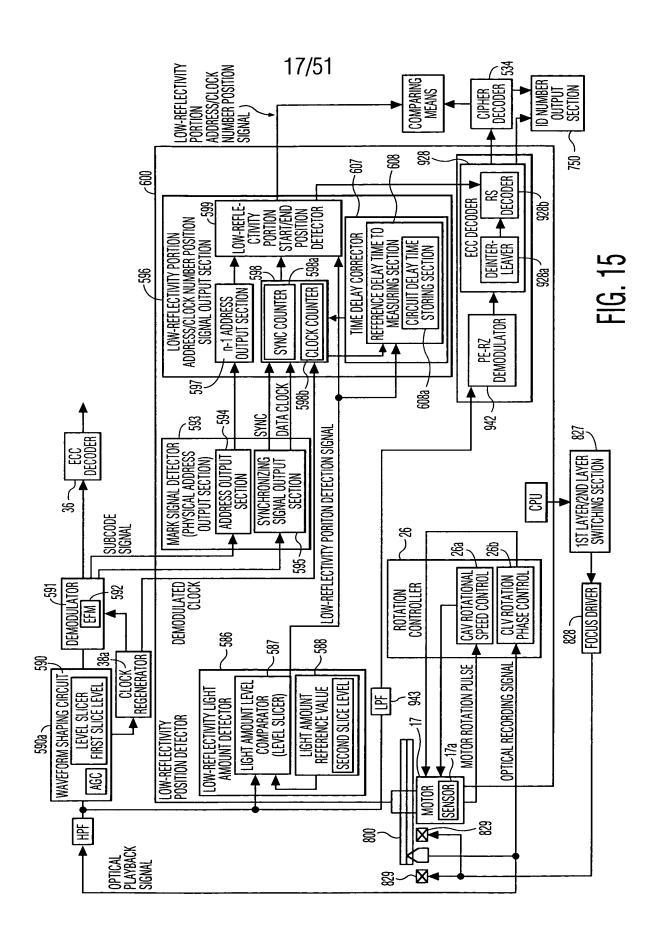
FIG. 14C

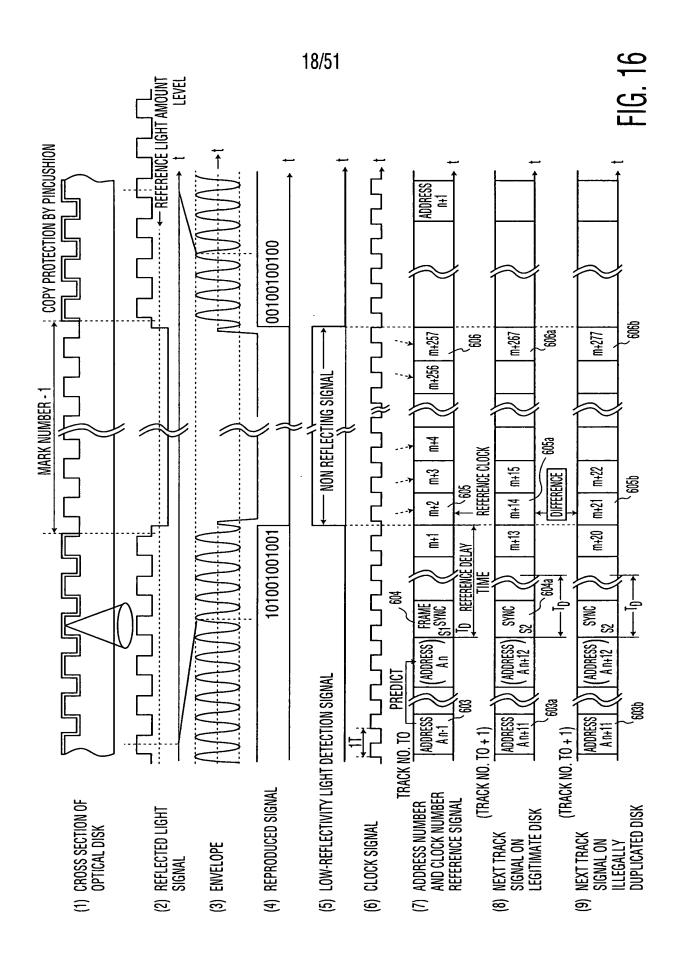
TYPICAL EQUATION
FOR EDC COMPUTATION
ECC (ERROR CORRECTION CODE) :

$$R_{PCA}(x) = \int_{i=48}^{51} I_{j+4i} \cdot x^{51-i}$$

$$I_{PCA}(x) = \int_{i=0}^{4n-2} I_{j+4i} \cdot x^{51-i} + D_{j} \cdot x^{52-4n},$$

FIG. 14D





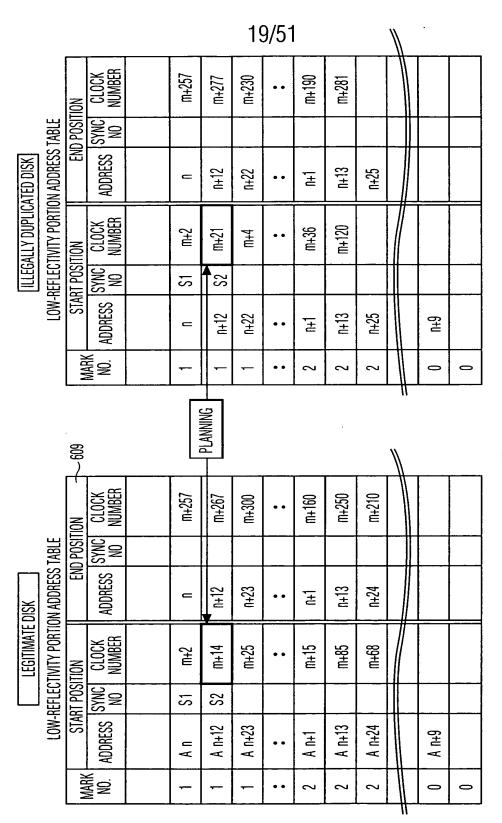
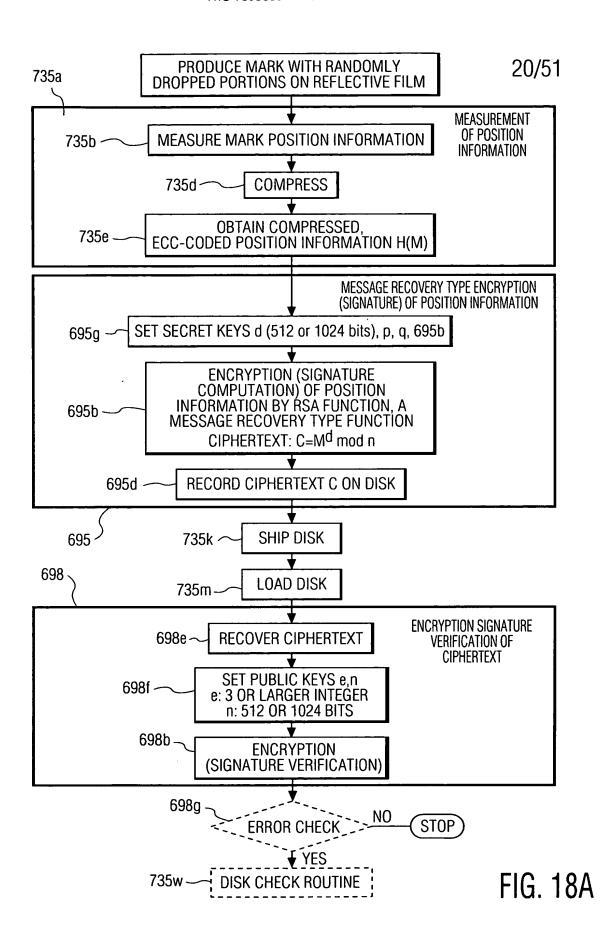


FIG. 17



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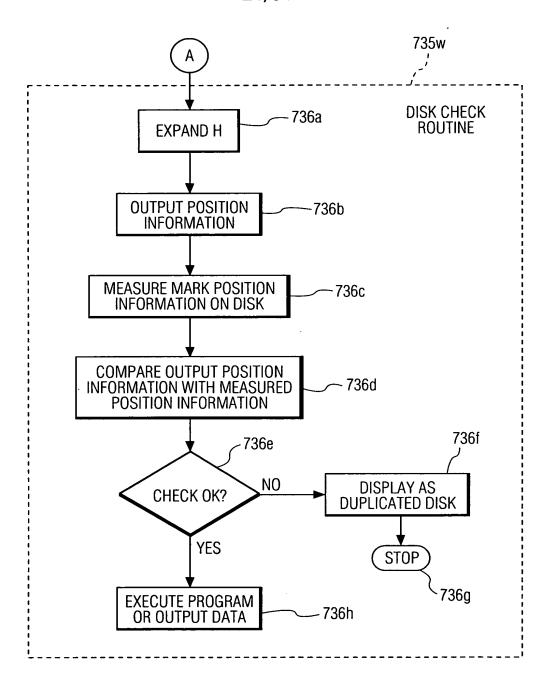
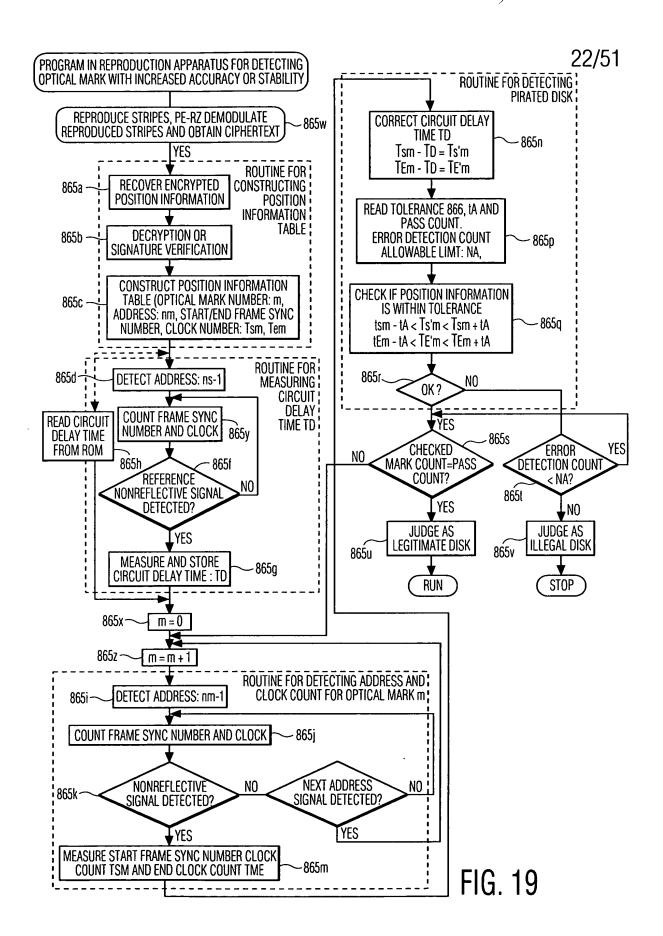
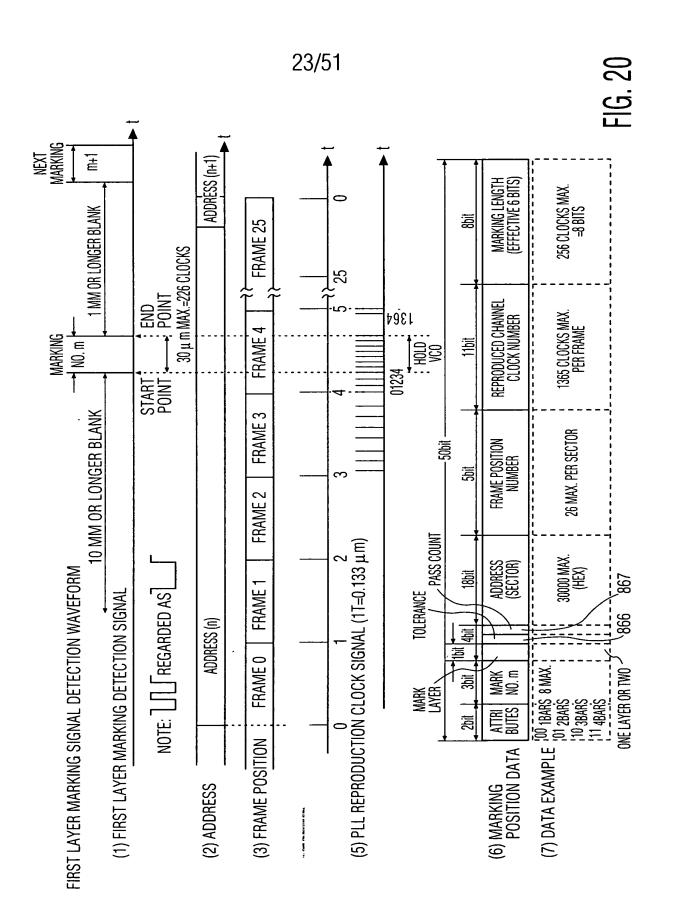
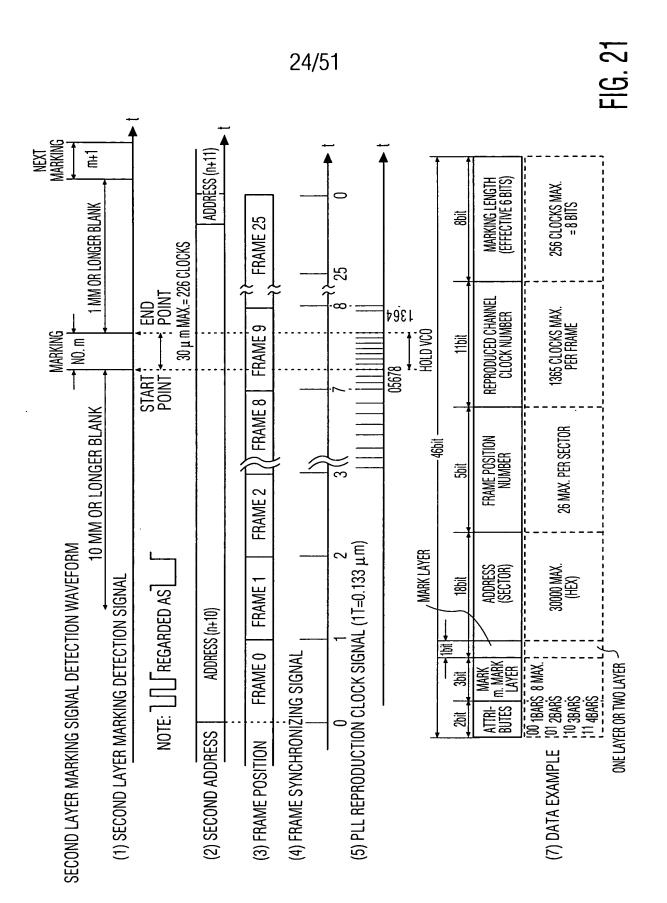
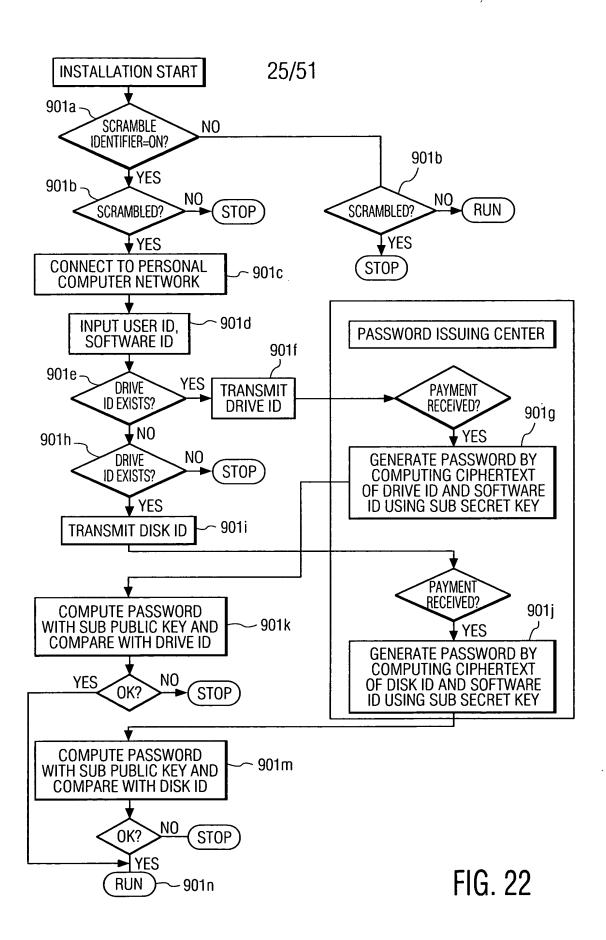


FIG. 18B

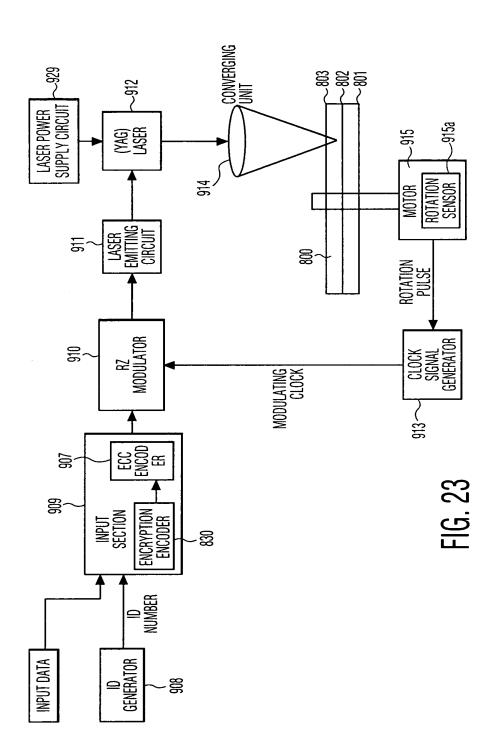


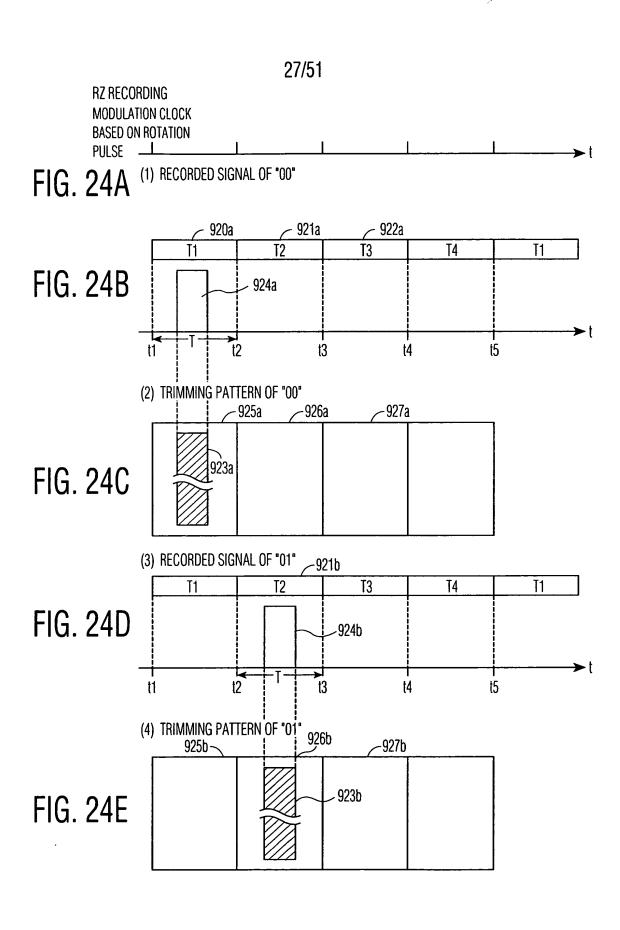






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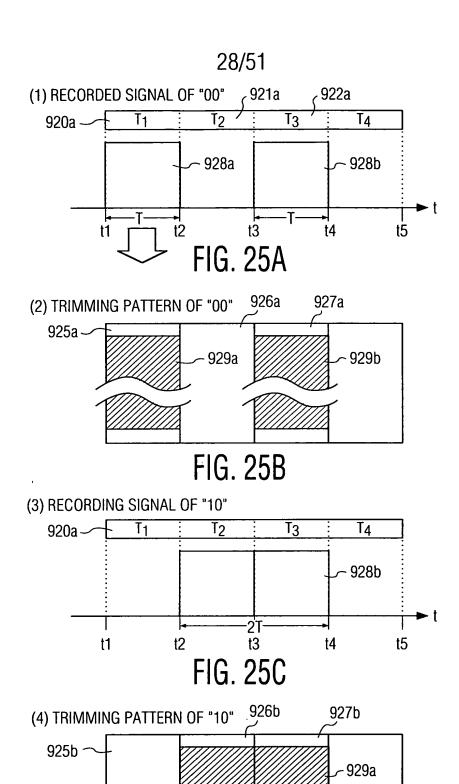
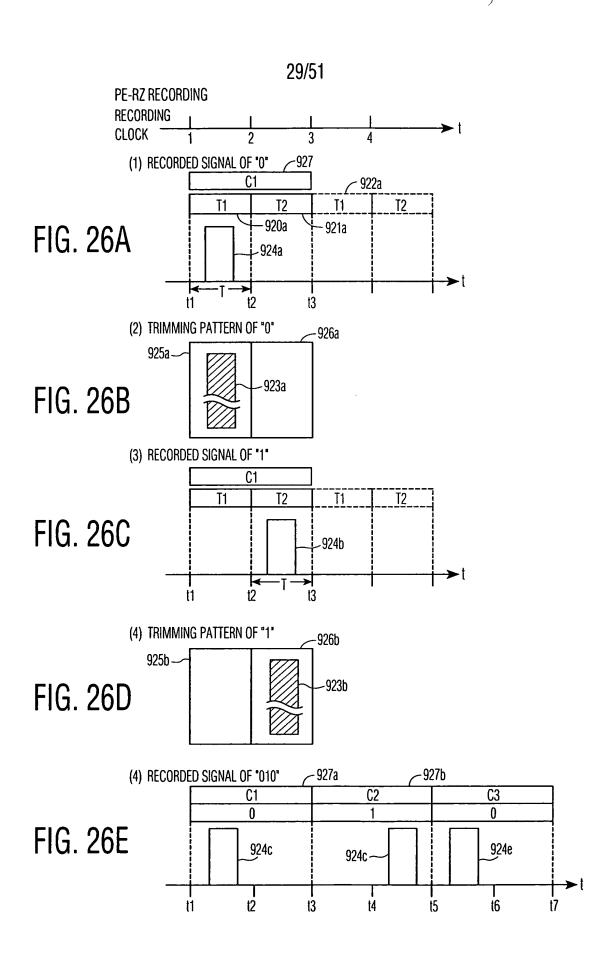
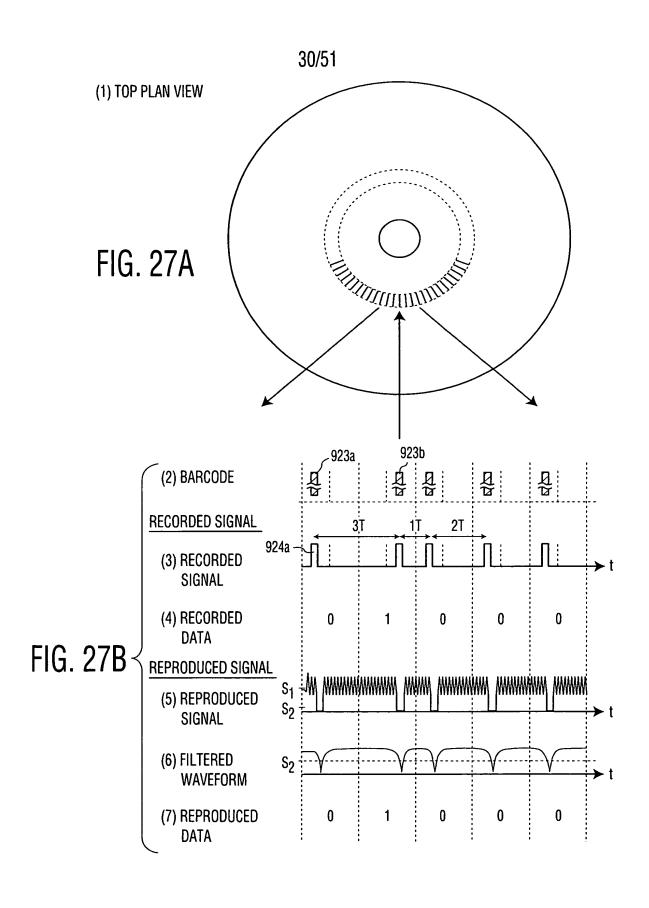
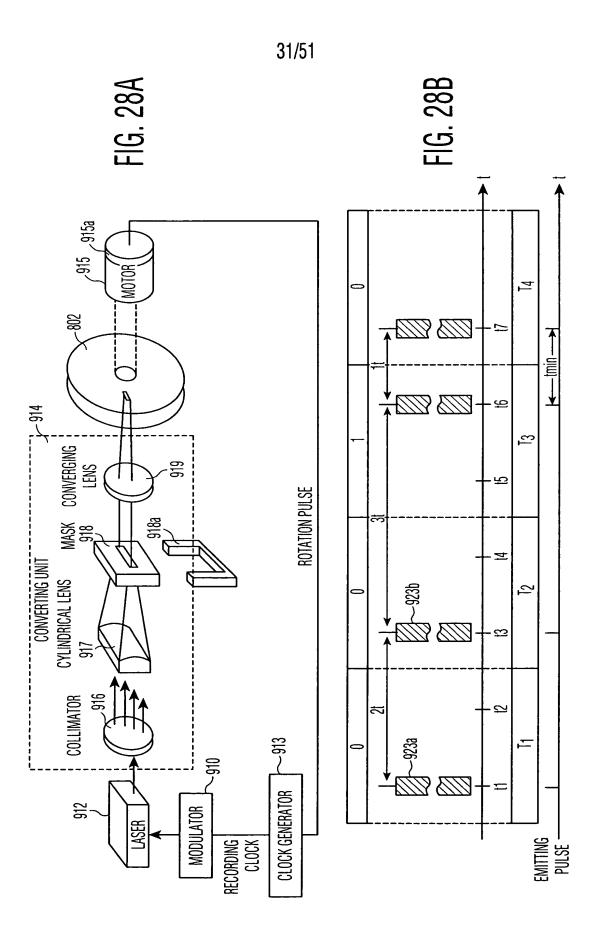
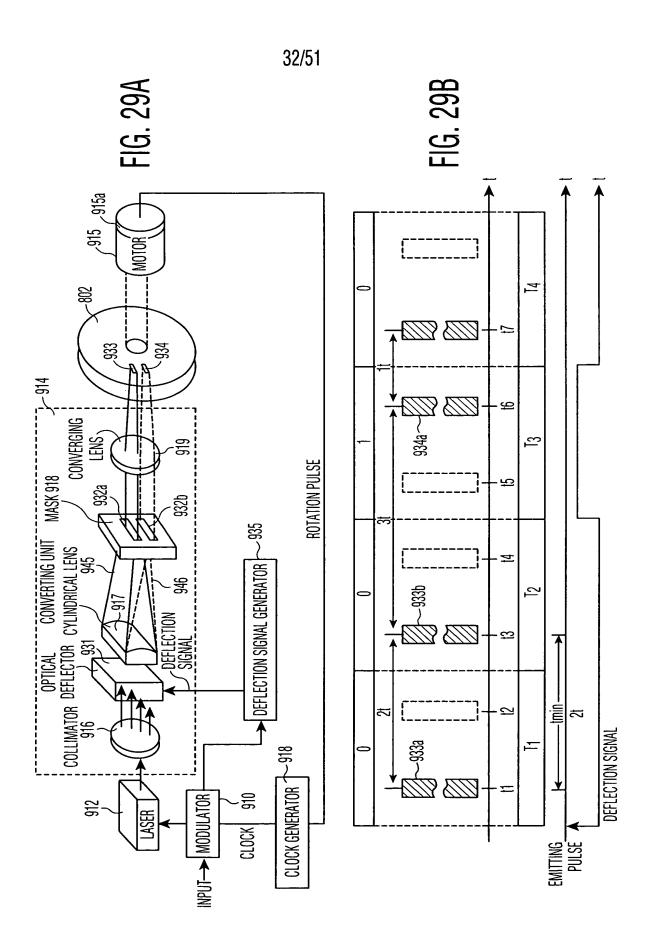


FIG. 25D

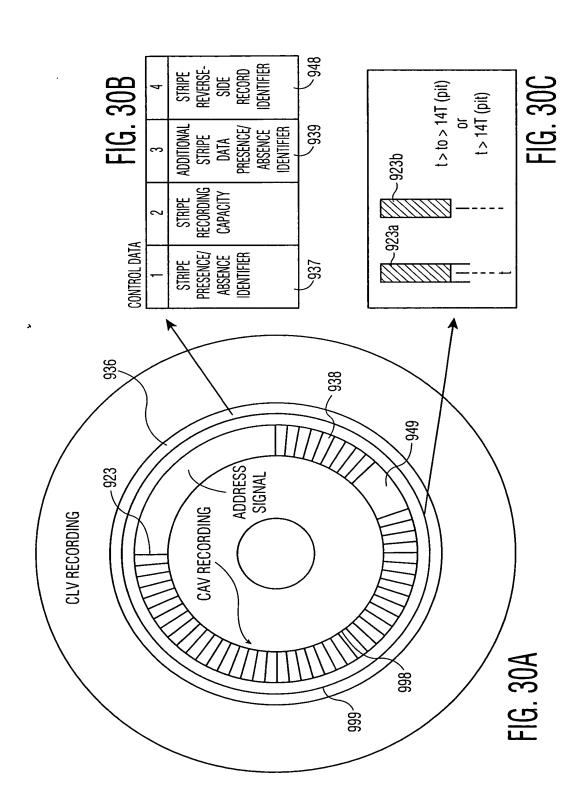








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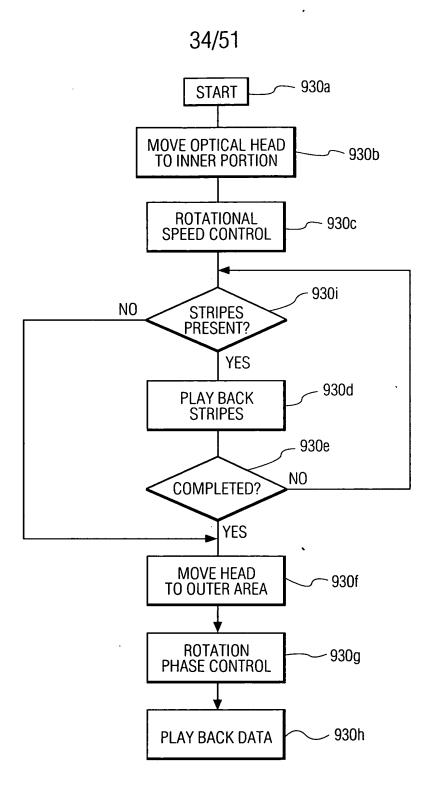
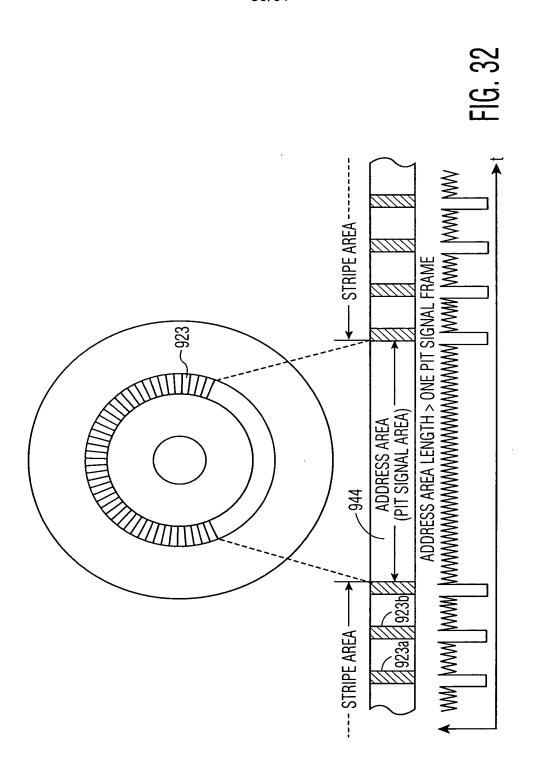
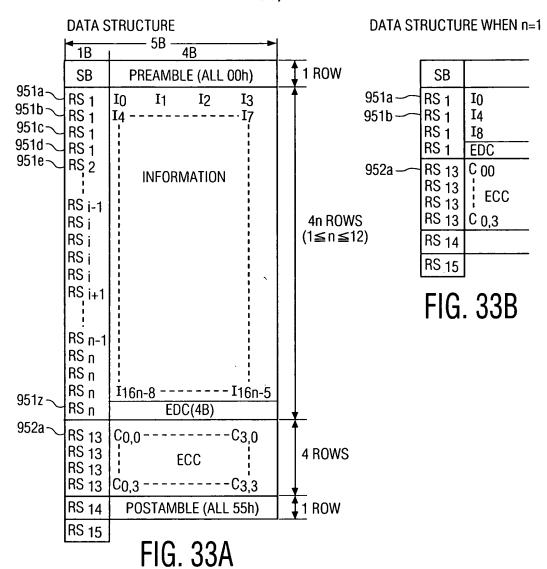


FIG. 31

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RANDOM ERROR CORRECTION CAPABILITY	
BIT ERROR RATE BEFORE CORRECTION	READ ERROR RATE AFTER CORRECTION
10 -5	1 IN 10 <sup>10</sup> DISKS
10 -4	1 IN 10 <sup>7</sup> DISKS
10 -3	1 IN 10 <sup>4</sup> DISKS
BURST ERROR CORRECTION CAPABILITY	

FIG. 33C

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## SYNCHRONIZATION CODE DATA

## SYNCHRONIZATION CODE

	BIT PATTERN												
SYNC	FIXED PATTERN								SYNC CODE				
BYTE /RESYNC	(CHANNEL BIT)								(DATA BIT)				
/11201110	C <sub>15</sub>	C <sub>14</sub>	C <sub>13</sub>	C <sub>12</sub>	C <sub>11</sub>	C <sub>10</sub>	ე Сე	C8	b <sub>3</sub>	b <sub>2</sub>	b <sub>1</sub>	рО	
SB	0	1	0	0	0	1	1	0	0	0	0	0	
RS <sub>1</sub>	0	1_	0	0	0	1 ;	1	0	0	0	0	1	
RS <sub>2</sub>	0	1	0	0	0	1	1	0	0	0	1	0	
RSi	0	1	0	0	0	1	1	0			j		
			! !		::		!						
			:		:					•			
RS <sub>15</sub>	0	1	0	0	0	1	1	0	1	1	1	1	
					:				F	FIG. (	34A		
FIXED SYNCHRONIZATION PATTERN													
							1	TRIMMING COUNT IDENTIFIER					
	0	1	0	0	0	1	1	0	<b>⊸</b> RECOF	IDING BY F	IRST TRIN	<b>MING</b>	947
	i 1 1	ما	! ! !	4t	! !	.1	(0	1)	<b>←</b> RECOP	IDING BY S	SECOND T	RIMMING	947
			! !		!				► F	IG. 3	84B	· · ·	•
		Γ <del>ί</del>		Т2		T3	T	1					

## MAXIMUM CAPACITY

	RECORDING CAPACITY	TOTAL BYTE COUNT	EFFICIENCY	RECORDING AREA ANGLE	UNRECORDED AREA ANGLE
MINIMUM	12B	41B	29.3%	51 Degrees	309 DEGREES
MAXIMUM	188B	271B	69.4%	336 DEGREES	24 DEGREES

FIG. 34C

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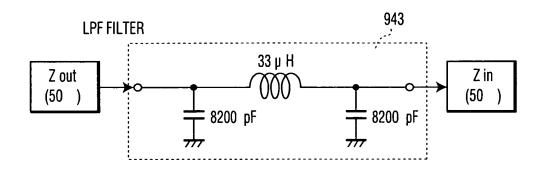


FIG. 35A

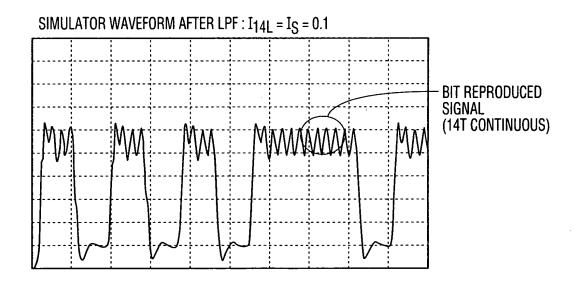
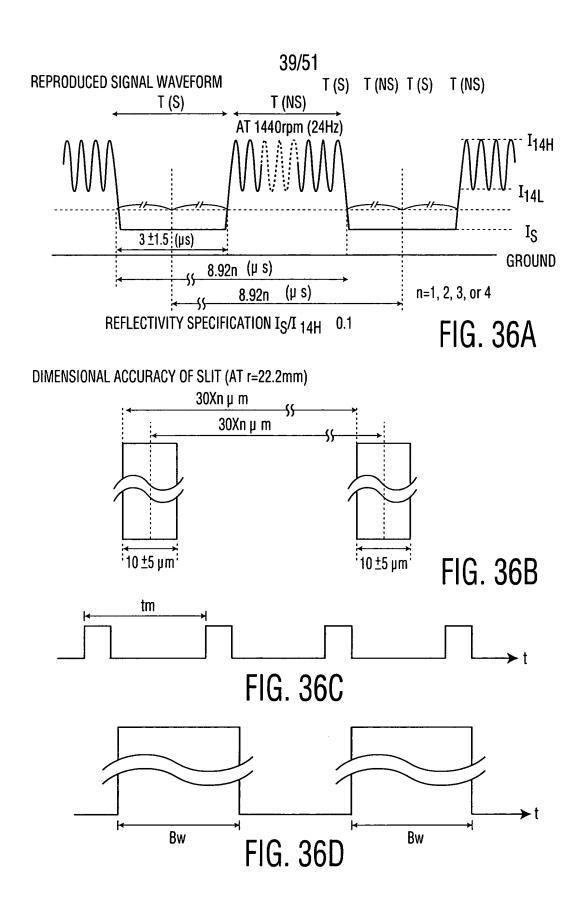
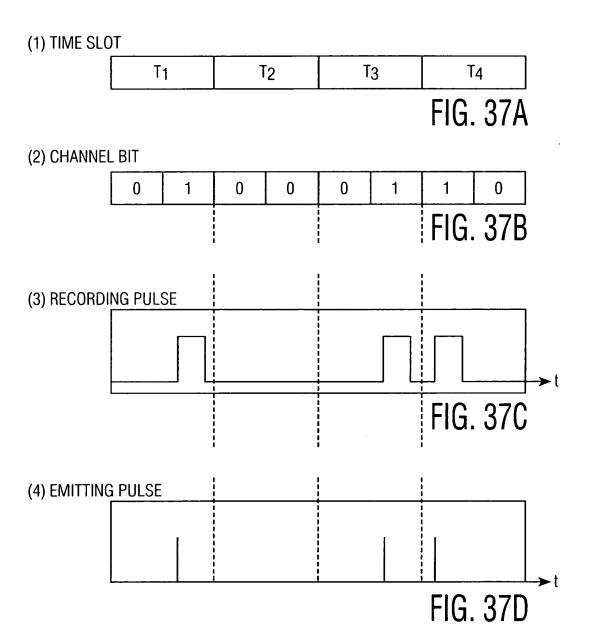


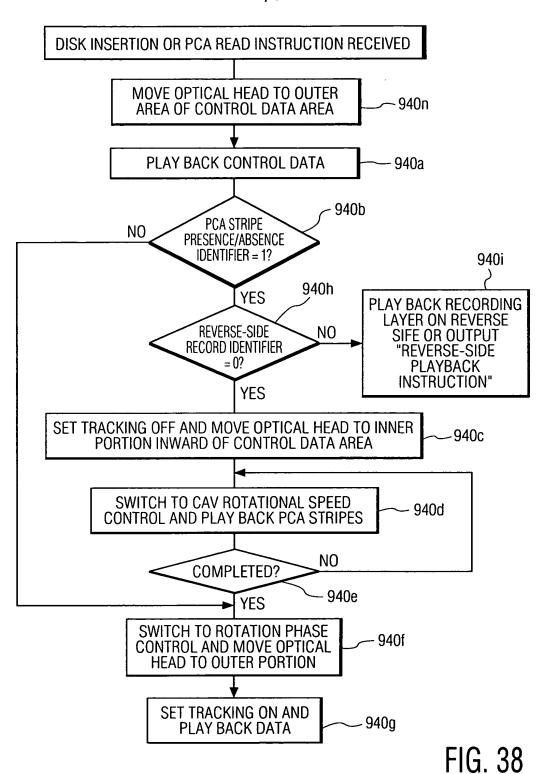
FIG. 35B



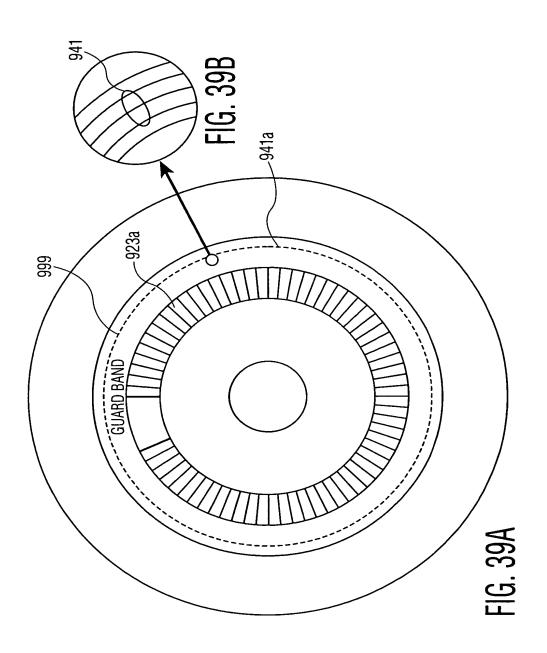
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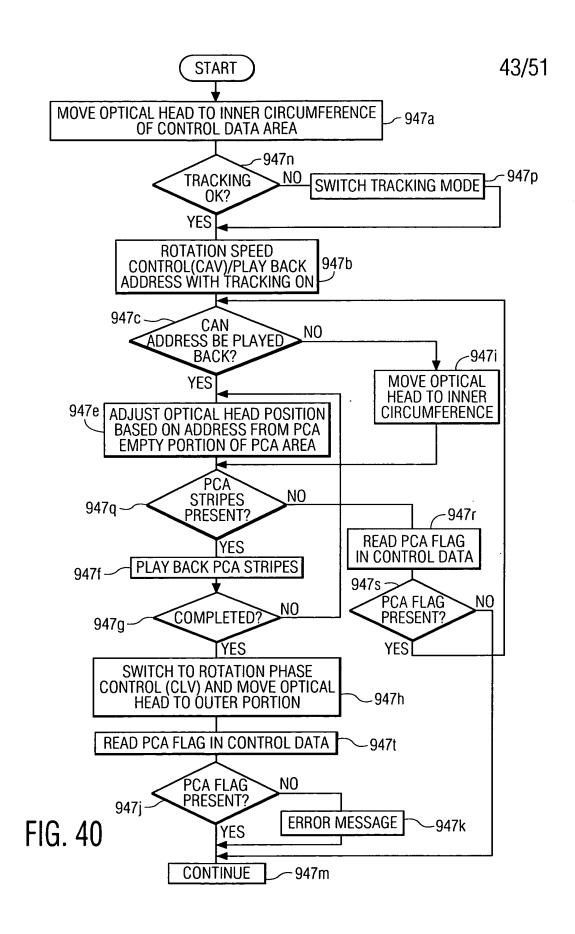


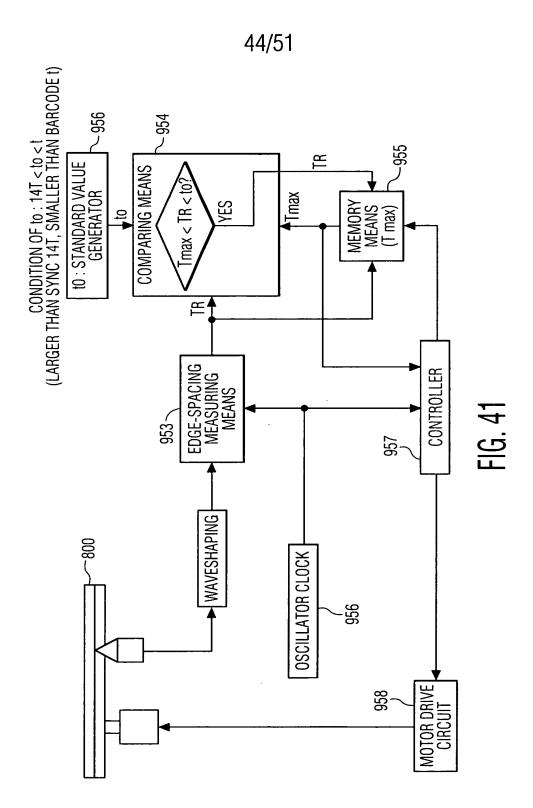
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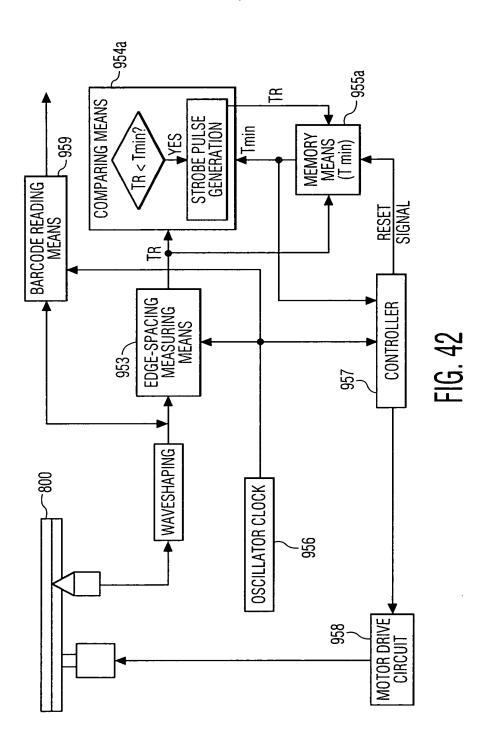
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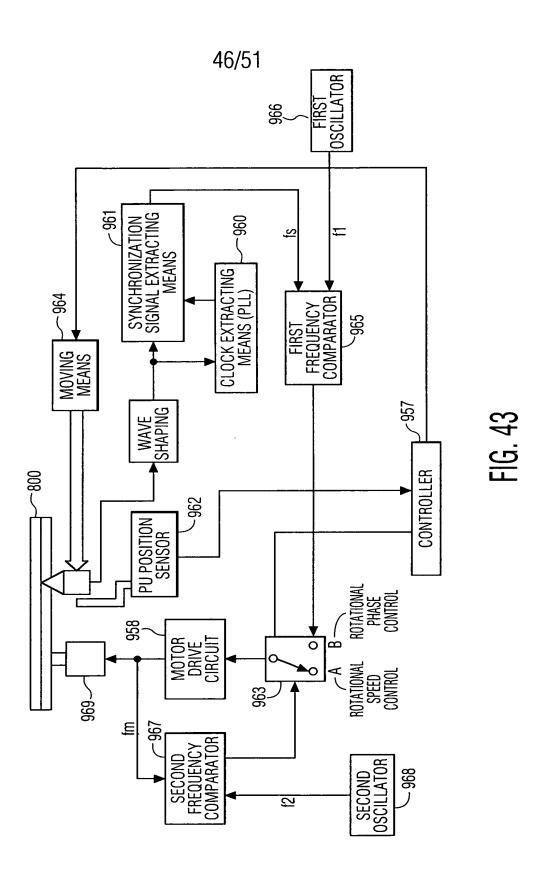






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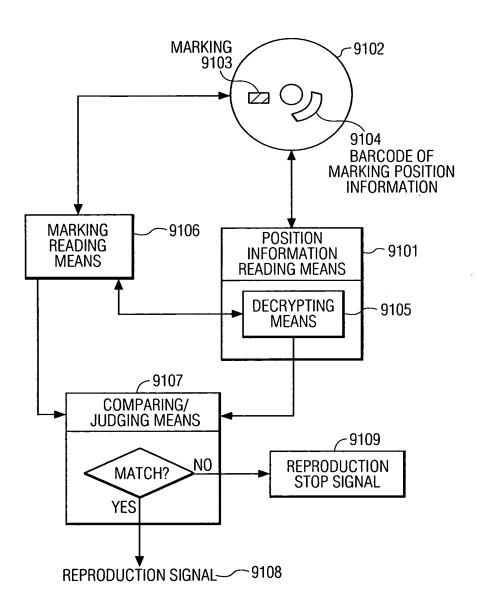
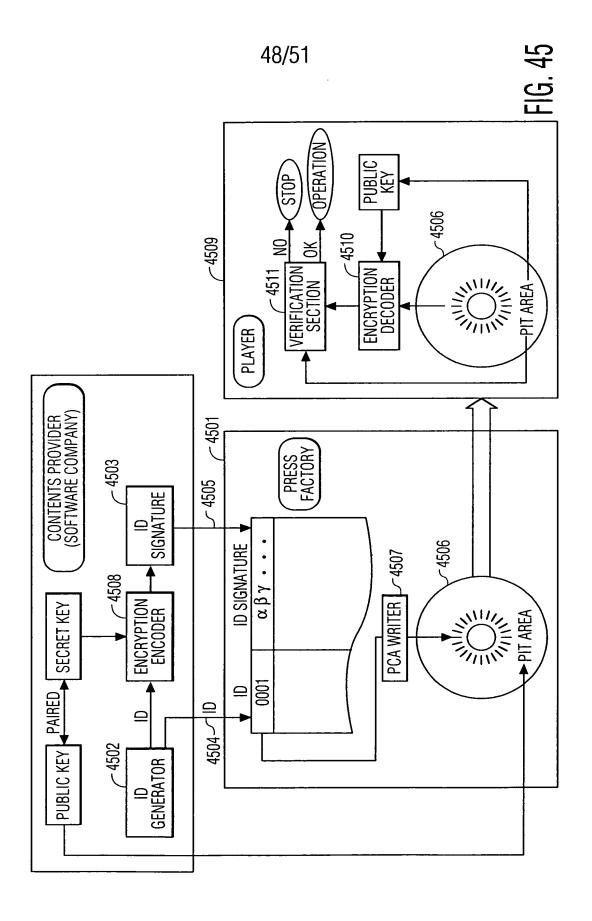
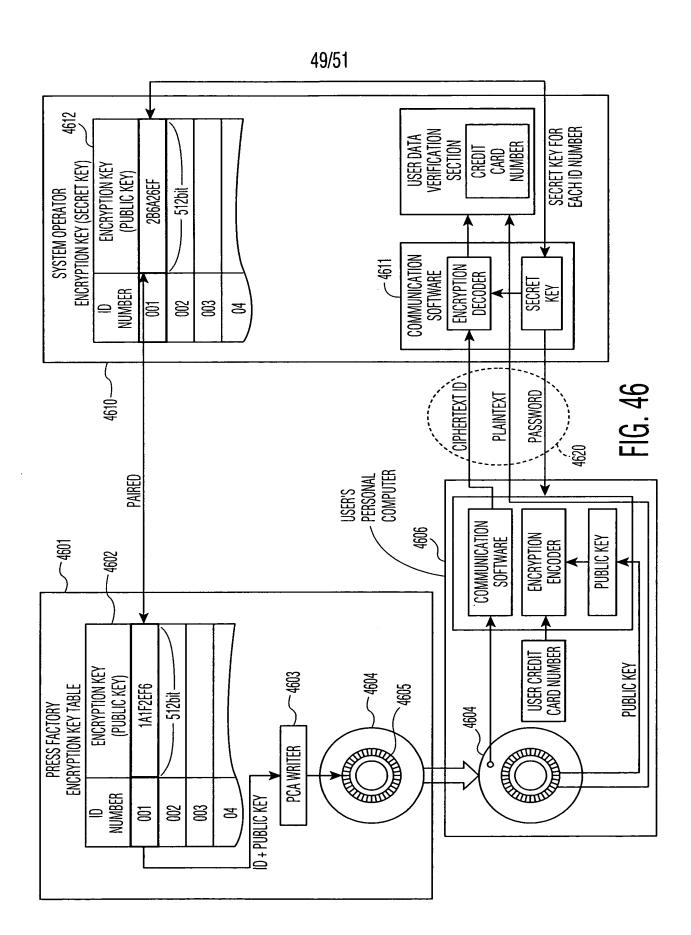


FIG. 44





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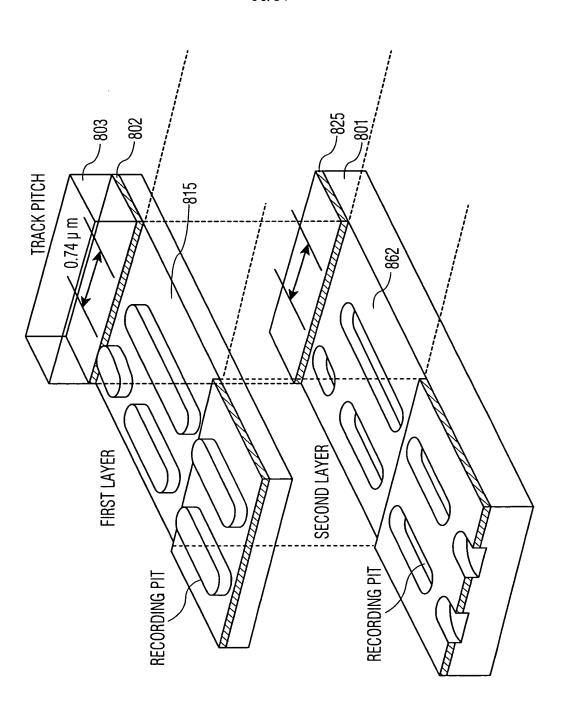


FIG. 47

